

**DATASHEET**

**Hepatitis B Virus Core Antigen Mouse Monoclonal Antibody(C2445)**

CAT. NO. AMA02057

**KEY FEATURES**

Target	Hepatitis B Virus Core Antigen	Source / Host	Mouse
Reactivity	Hepatitis B virus	Clonality	Monoclonal
Applications	ELISA	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.01M Phosphate Buffered Saline, pH 7.2, 50% glycerol, 0.05% Sodium Azide.	Storage	at-20°C

**BACKGROUND**

Hepatitis B virus core antigen (HBcAg) is the major structural protein of the viral nucleocapsid, encoded by the C gene of HBV. HBcAg is a key marker of active viral replication and is detected in hepatocytes during infection. Anti-HBcAg antibodies are used in serological diagnosis (anti-HBc IgM/IgG) and IHC analysis of liver biopsies.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

ELISA	Use at an assay dependent dilution.
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Mouse monoclonal antibody to Hepatitis B Virus Core Antigen
Specificity	Reacts only with Hepatitis B Virus Core Antigen.
Antibody Type	Primary antibody
Immunogen	Recombinant Hepatitis B Virus Core Antigen
Purification	Immunogen affinity purified
Form/Buffer	Liquid in 0.01M Phosphate Buffered Saline, pH 7.2, 50% glycerol, 0.05% Sodium Azide.
Alternative Names	Capsid protein; Core and e antigen; Core antigen; Core antigen; Core protein; HBc; HBcAg; HBVgp4; Hepatitis B Virus core antigen; p21.5; precore/core protein

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**| DATA****| STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**| NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.